

EL FUTURO DEL CRECIMIENTO ECONÓMICO: EL RETO DEMOGRÁFICO

ENRIC MARTORELL

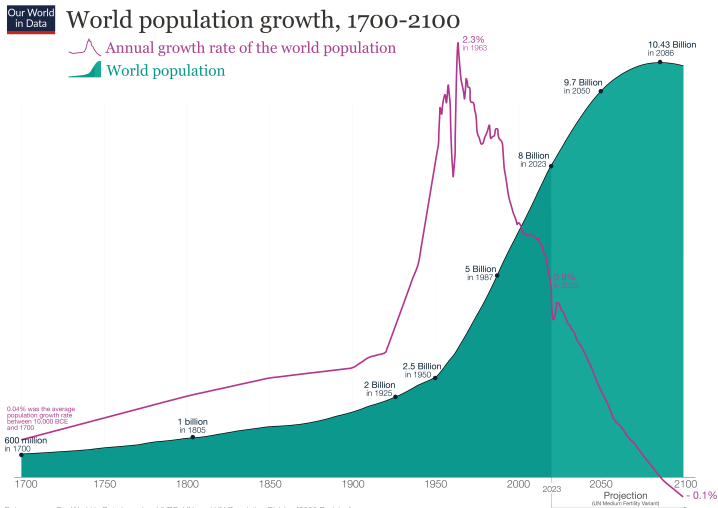
CUNEF

CRECIMIENTO ECONÓMICO
2024-2025

DISTRIBUCIÓN ACTUAL DE LA POBLACIÓN MUNDIAL



LA POBLACIÓN MUNDIAL VA A DEJAR DE CRECER



Data sources: Our World in Data based on HYDE, UN, and UN Population Division [2022 Revision]
This is a visualization from [OurWorldinData.org](https://ourworldindata.org), where you find data and research on how the world is changing.

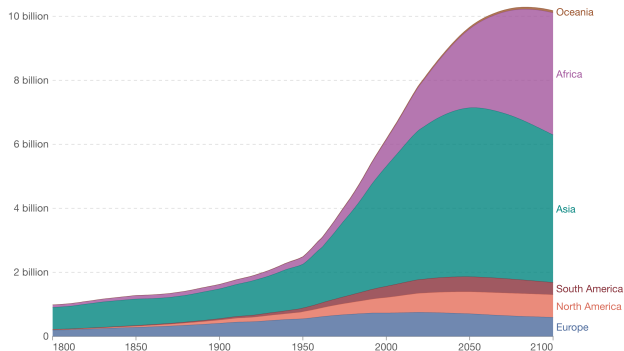
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Y LA DISTRIBUCIÓN GEOGRÁFICA VA A CAMBIAR

Population by world region

Historic estimates with future projections based on the UN medium scenario¹.

Our World
in Data



Data source: HYDE (2023); Gapminder (2022); UN WPP (2024)

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Note: Historical country data is shown based on today's geographical borders.

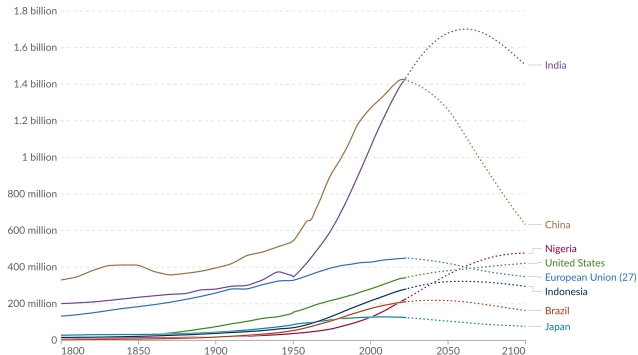
1. **UN projection scenarios:** The UN's World Population Prospects provides a range of projected scenarios of population change. These rely on different assumptions in fertility, mortality and/or migration patterns to explore different demographic futures. [Read more: Definition of Projection Scenarios \(UN\)](#)

Y LA DISTRIBUCIÓN GEOGRÁFICA VA A CAMBIAR

Population, 1800 to 2100

Future projections are based on the UN's medium-fertility scenario¹.

Our World
in Data



Data source: UN WPP (2024); HYDE (2023); Gapminder (2022); UN WPP (2024)

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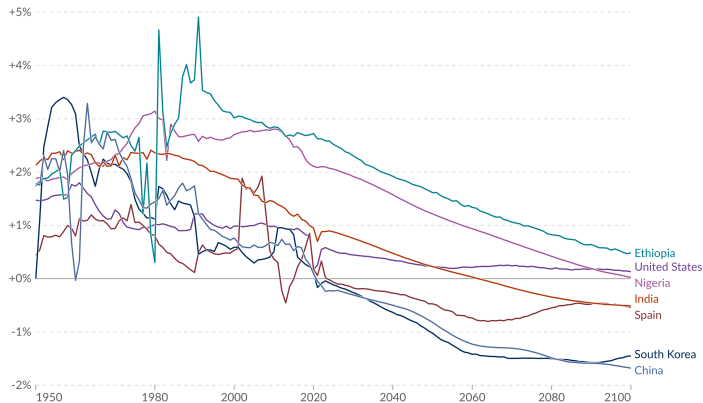
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OTRA FORMA DE VERLO: TASAS DE CRECIMIENTO

Population growth rate, 1950 to 2100

Our World
in Data

The growth rate is the population change determined by births, deaths, and migration flows. Projections from 2024 onwards are based on the UN's medium scenario.



Data source: UN, World Population Prospects (2024)

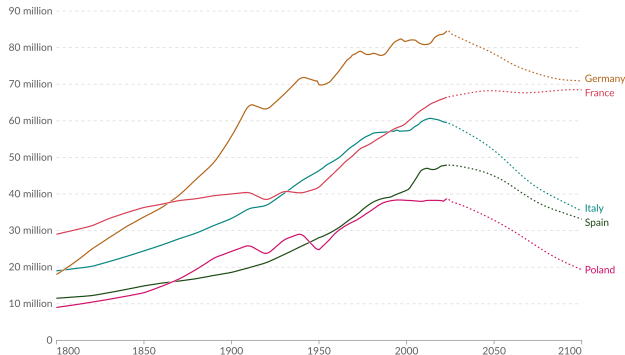
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EUROPA TAMBIÉN TIENE UN PROBLEMA

Population, 1800 to 2100

Future projections are based on the UN's medium-fertility scenario¹.

Our World
in Data



Data source: UN WPP (2024); HYDE (2023); Gapminder (2022); UN WPP (2024)

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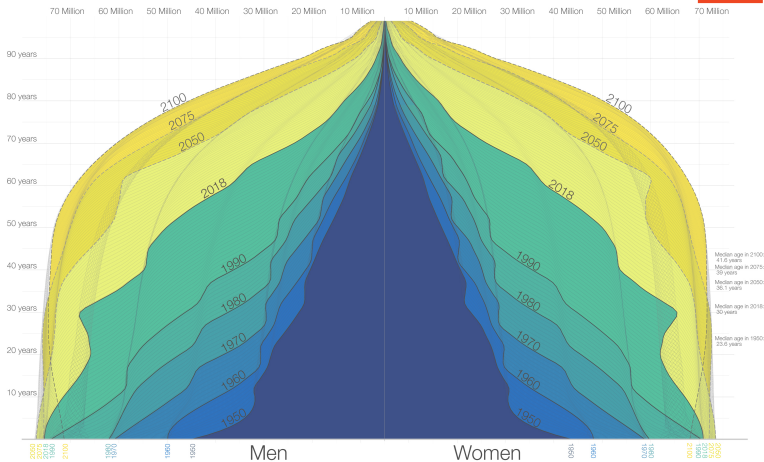
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CONSECUENCIA: UNA SOCIEDAD DE VIEJOS

The Demography of the World Population from 1950 to 2100

Shown is the age distribution of the world population – by sex – from 1950 to 2018 and the *UN Population Division's* projection until 2100.

Our World
in Data



Data source: United Nations Population Division – World Population Prospects 2017; Medium Variant.
The data visualization is available at [OurWorldInData.org](https://ourworldindata.org), where you find more research on how the world is changing and why.

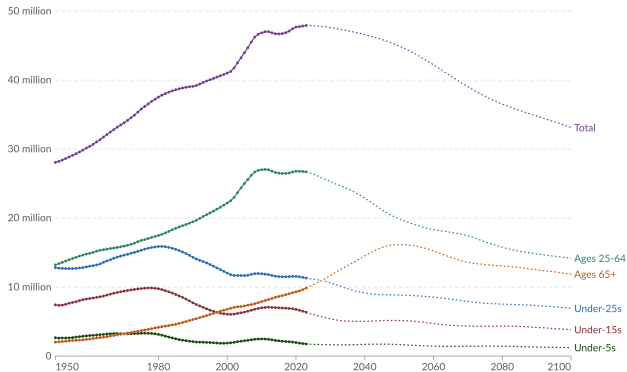
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CONSECUENCIA: MISMO TRABAJADORES QUE JUBILADOS

Population by age group, Spain

Historic estimates from 1950 to 2023, and projected to 2100 based on the UN medium scenario¹.

Our World
in Data



Data source: UN, World Population Prospects (2024)

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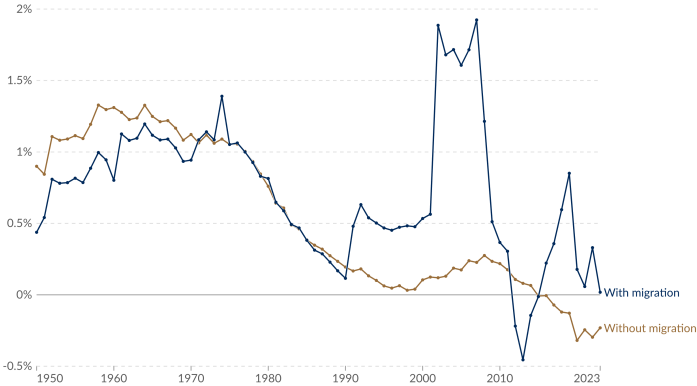
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SIN INMIGRACIÓN LA POBLACIÓN YA DECRECE

Population growth rate with and without migration, Spain



The annual change in population with migration included versus the change if there was zero migration (neither emigration nor immigration). The latter, therefore, represents the population change based only on domestic births and deaths.



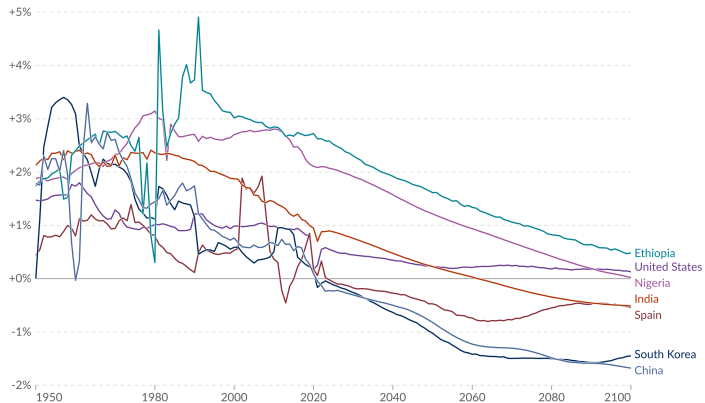
Data source: UN, World Population Prospects (2024)

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Population growth rate, 1950 to 2100

Our World
in Data

The growth rate is the population change determined by births, deaths, and migration flows. Projections from 2024 onwards are based on the UN's medium scenario.



Data source: UN, World Population Prospects (2024)

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EEUU PARECE AGUANTAR: PERO NO DE FORMA "NATURAL"

Natural population growth



Natural population growth¹ is the population increase determined by births and deaths. Migration flows are not taken into account. Future projections are based on the UN medium scenario².



Data source: UN, World Population Prospects (2024)

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1. **Population growth rate:** Population growth rate explains the change in population over a given interval of time. This is often expressed as the annual growth rate. The United Nations calculates this as an exponential growth rate. It calculates it by taking the natural logarithm of the annual change, which is the population in that year compared to the previous year. For example, the change in population from 2017 to 2018. This is expressed as a percentage. Natural population growth rate is the expected change in population from births and deaths only. It does not include changes as a result of migration.

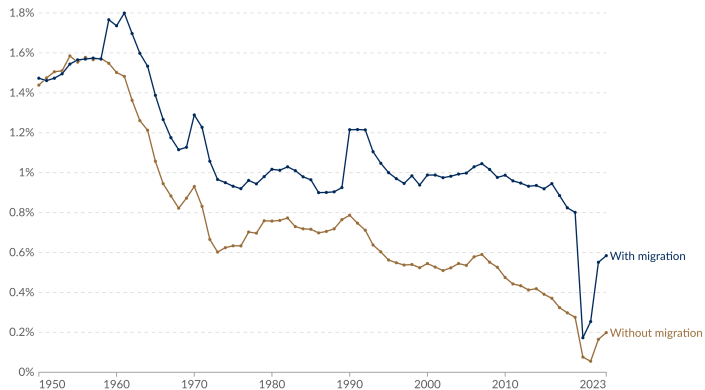
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EEUU PARECE AGUANTAR: SOSTENIDO POR LA INMIGRACIÓN

Population growth rate with and without migration, United States

Our World
in Data

The annual change in population with migration included versus the change if there was zero migration (neither emigration nor immigration). The latter, therefore, represents the population change based only on domestic births and deaths.



Data source: UN, World Population Prospects (2024)

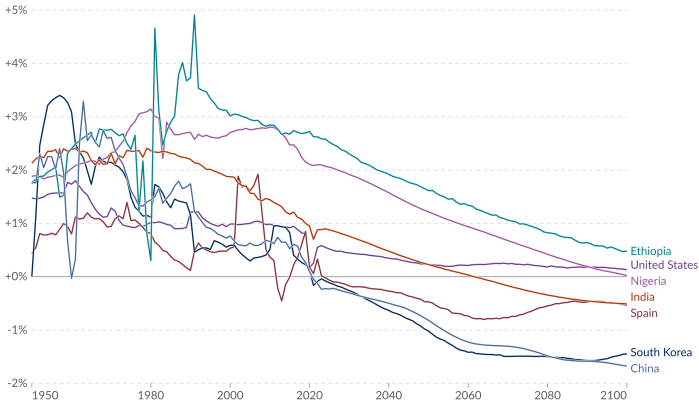
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CASOS PROBLEMÁTICOS: COREA DEL SUR

Population growth rate, 1950 to 2100

Our World
in Data

The growth rate is the population change determined by births, deaths, and migration flows. Projections from 2024 onwards are based on the UN's medium scenario.



Data source: UN, World Population Prospects (2024)

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- ▶ ¿Cuáles son las implicaciones del decrecimiento poblacional para la economía?
- ▶ Jones, C. I. (2022). The End of Economic Growth? Unintended Consequences of a Declining Population. *American Economic Review*, 112(11):3489–3527
- ▶ Is South Korea over?

Jones, C. I. (2022). The End of Economic Growth? Unintended Consequences of a Declining Population. *American Economic Review*, 112(11):3489–3527.